

Data File : VU030074.D
Acq On : 14 Mar 2019 15:10
Operator : JC/SP
Sample : K1859-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BQ5

Quant Time: Mar 15 01:26:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 01:21:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	448345	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	433870	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	217749	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	143330	48.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.66%
7) Chloroethane-d5	1.68	69	117837	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.44%
11) 1,1-Dichloroethene-d2	2.27	63	194062	36.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.50%
21) 2-Butanone-d5	4.17	46	201043	90.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.48%
24) Chloroform-d	4.65	84	245592	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
26) 1,2-Dichloroethane-d4	5.31	65	146831	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
32) Benzene-d6	5.34	84	536641	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
36) 1,2-Dichloropropane-d6	6.33	67	167475	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.00%
41) Toluene-d8	7.56	98	487294	46.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.18%
43) trans-1,3-Dichloropropene-	7.85	79	75747	45.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.50%
47) 2-Hexanone-d5	8.31	63	170298	89.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	237328	45.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.36%
64) 1,2-Dichlorobenzene-d4	11.66	152	70	0.02	ug/L	-0.20
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.04%#

Target Compounds

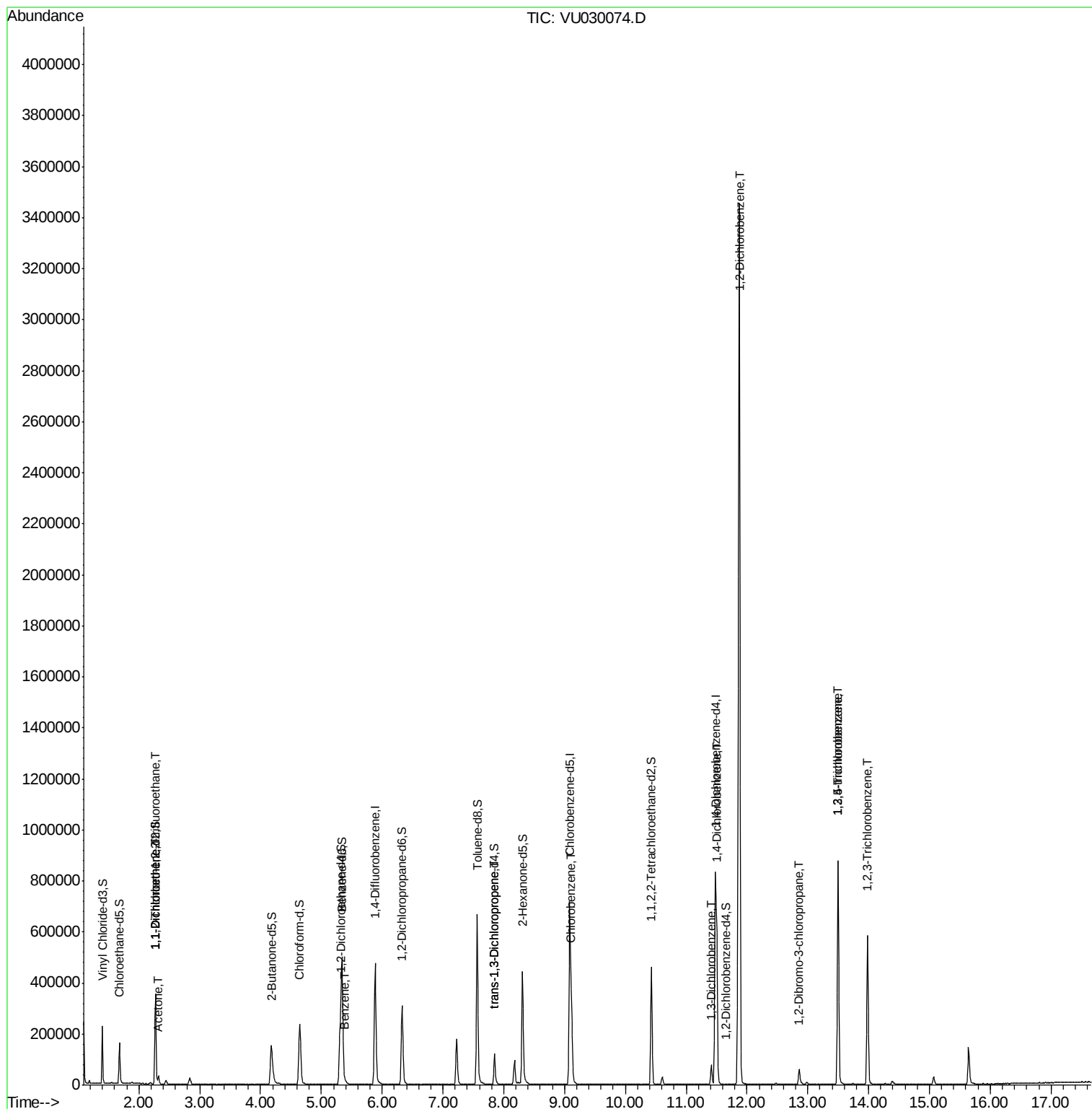
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1960	0.665	ug/L #	23
12) 1,1-Dichloroethene	2.27	96	1760	0.626	ug/L #	1
13) Acetone	2.32	43	29564	11.380	ug/L	100
33) Benzene	5.39	78	9841	0.793	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3259	0.702	ug/L	99
51) Chlorobenzene	9.12	112	200632	22.046	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	33720	4.795	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	270871	37.882	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	1433871	202.571	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.85	75	1556	1.353	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.50	180	297537	54.513	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	297537	59.595	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	201502	38.850	ug/L	97

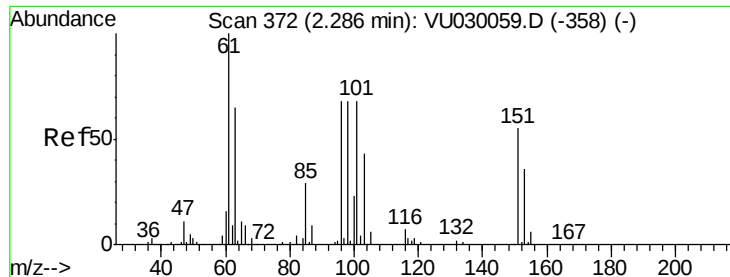
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Mar 15 01:21:27 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.665 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

Instrument :

MSVOA_U

ClientSampled :

C0BQ5

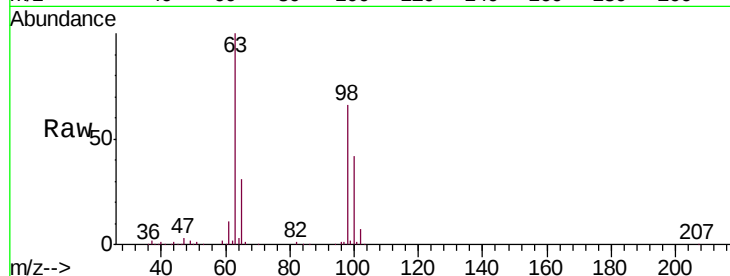
Tgt Ion: 101 Resp: 1960

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

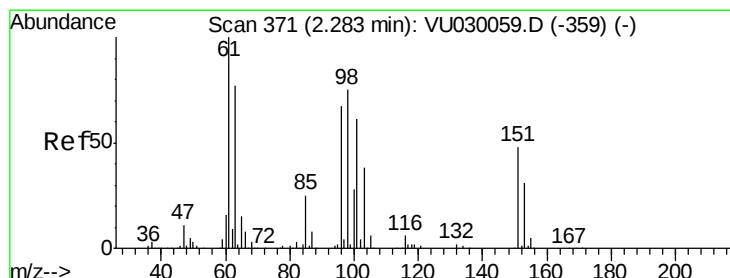
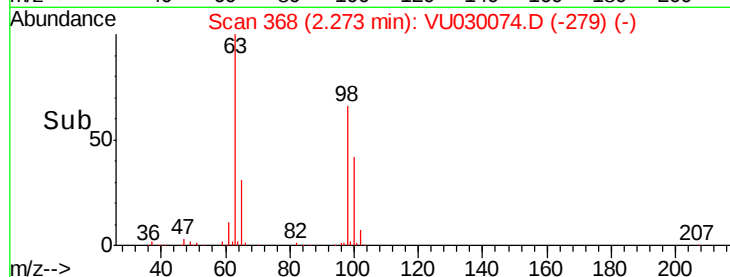
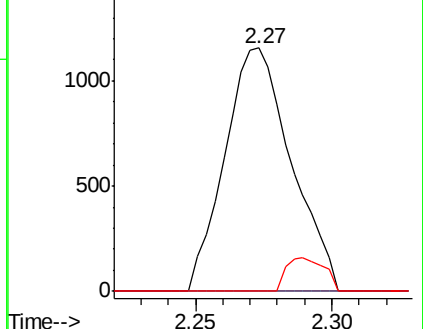
151 7.8 66.1 99.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.626 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

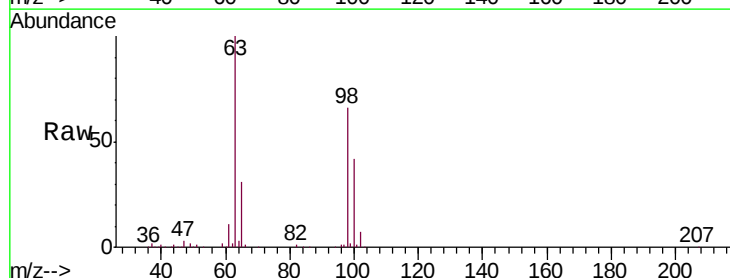
Tgt Ion: 96 Resp: 1760

Ion Ratio Lower Upper

96 100

61 1210.5 110.4 205.0#

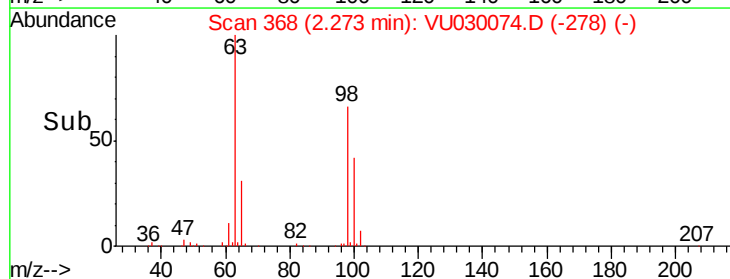
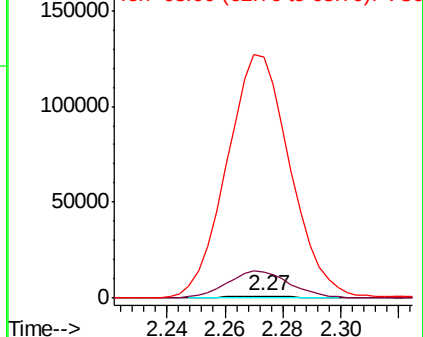
63 10977.3 86.5 160.7#

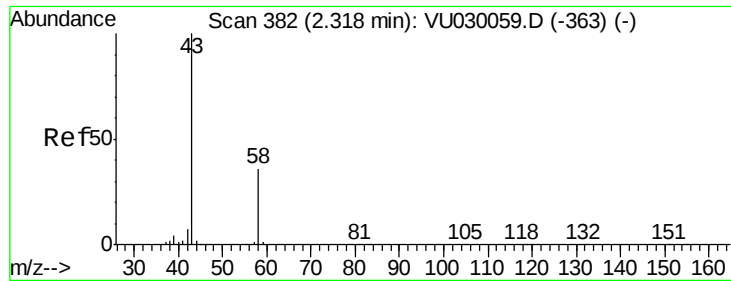


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.380 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

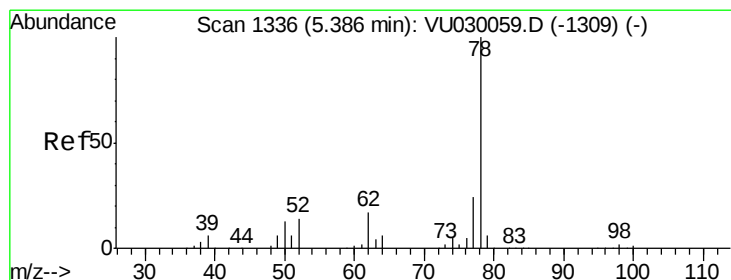
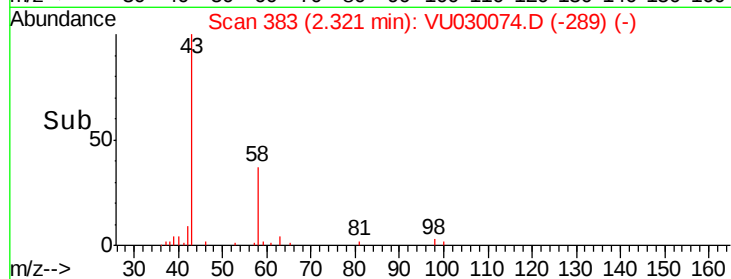
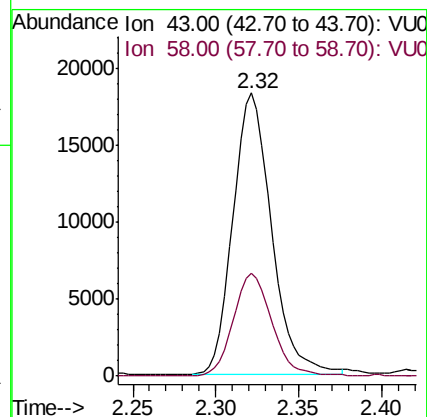
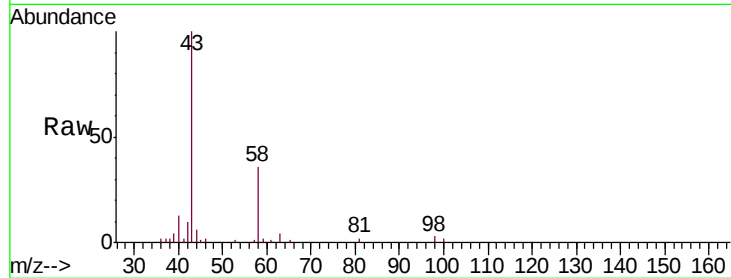
C0BQ5

Tgt Ion: 43 Resp: 29564

Ion Ratio Lower Upper

43 100

58 36.6 0.0 73.0



#33

Benzene

Concen: 0.793 ug/L

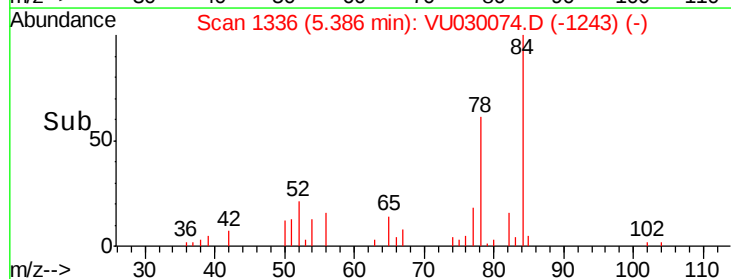
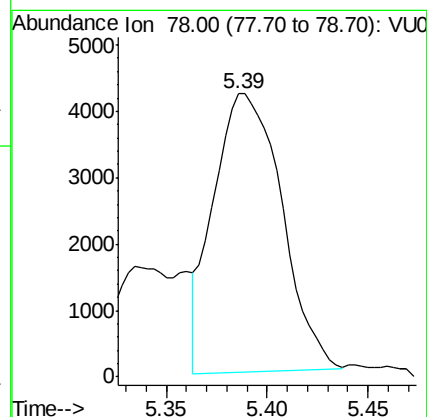
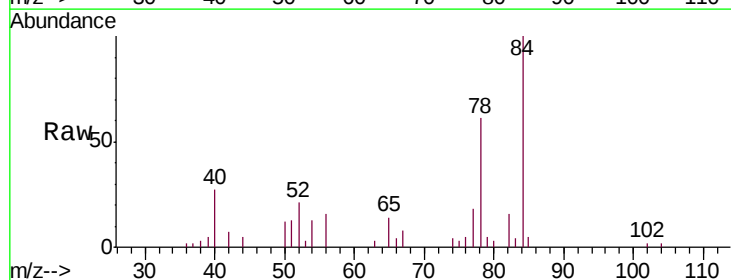
RT: 5.39 min Scan# 1336

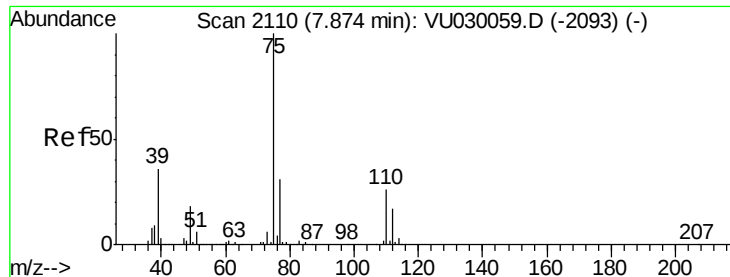
Delta R.T. -0.00 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

Tgt Ion: 78 Resp: 9841





#44

trans-1,3-Dichloropropene

Concen: 0.702 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

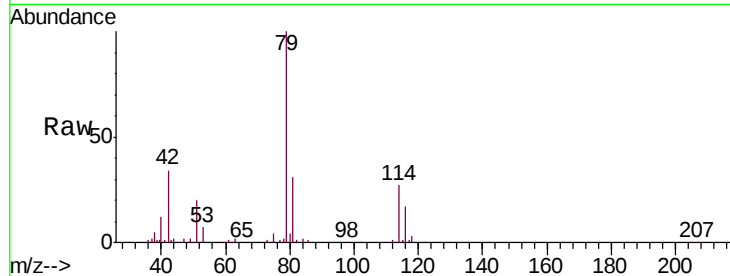
C0BQ5

Tgt Ion: 75 Resp: 3259

Ion Ratio Lower Upper

75 100

77 31.0 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VU030074.D (-2101) (-)

Ion 77.00 (76.70 to 77.70): VU030074.D (-2101) (-)

7.85

1500

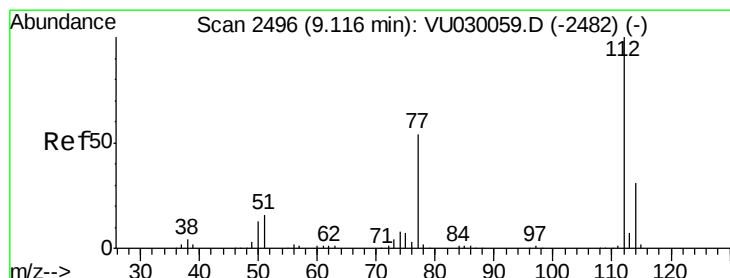
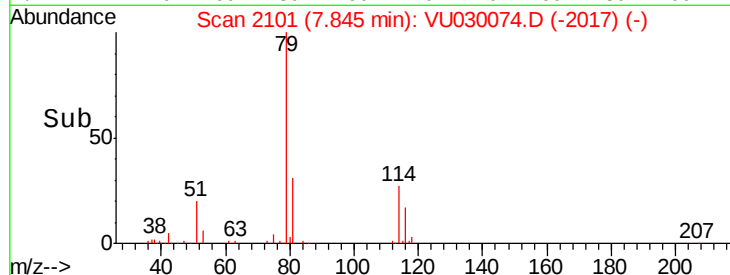
1000

500

0

7.80 7.85 7.90

Time-->



#51

Chlorobenzene

Concen: 22.046 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

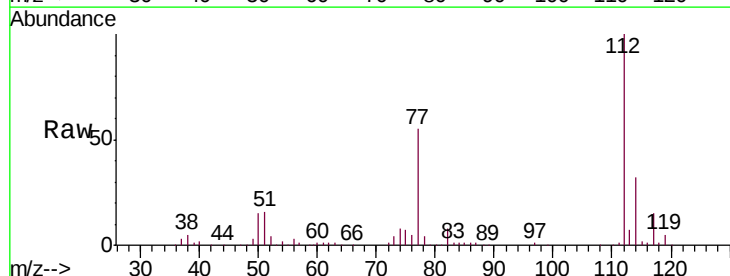
Tgt Ion: 112 Resp: 200632

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.9

77 54.6 44.6 66.8



Abundance Ion 112.00 (111.70 to 112.70): VU030074.D (-2496) (-)

Ion 114.00 (113.70 to 114.70): VU030074.D (-2496) (-)

Ion 77.00 (76.70 to 77.70): VU030074.D (-2496) (-)

150000

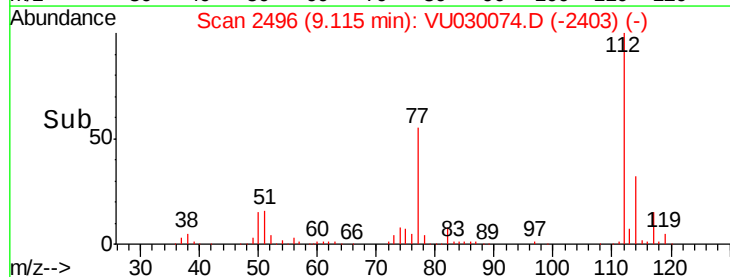
100000

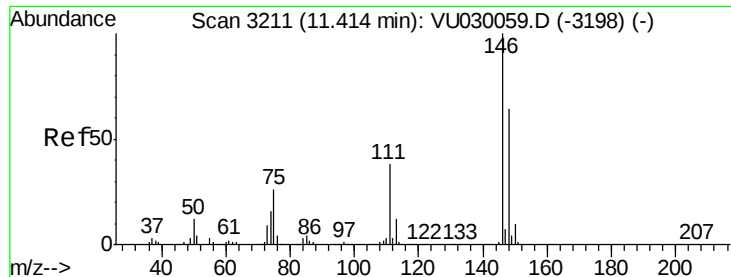
50000

0

9.10 9.12 9.14

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.795 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

C0BQ5

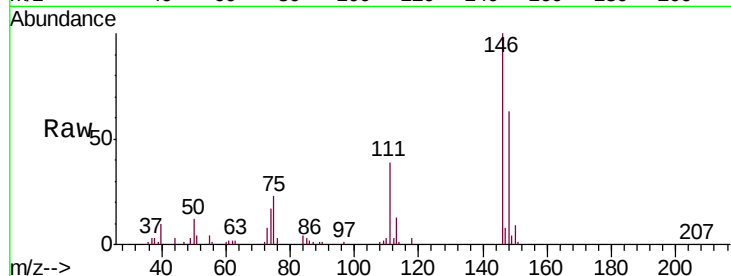
Tgt Ion:146 Resp: 33720

Ion Ratio Lower Upper

146 100

111 39.3 26.7 49.5

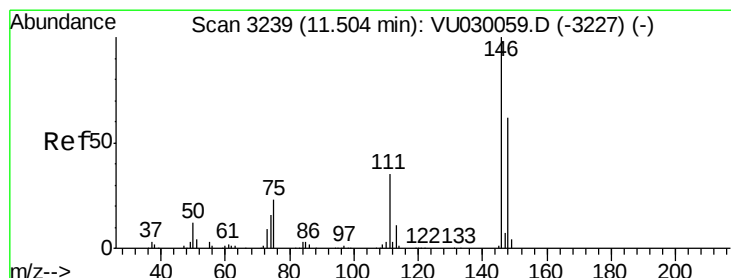
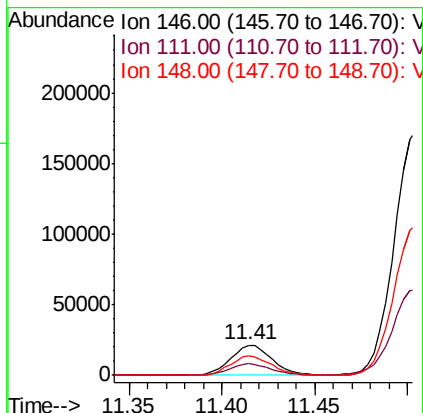
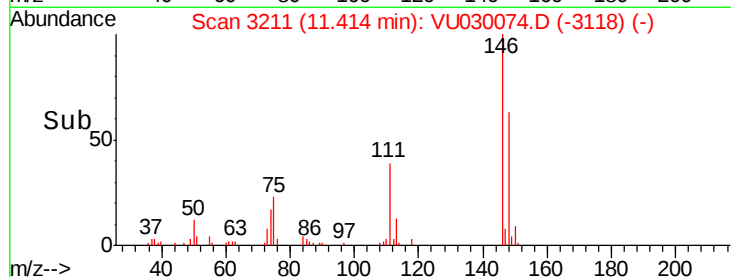
148 63.1 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 37.882 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

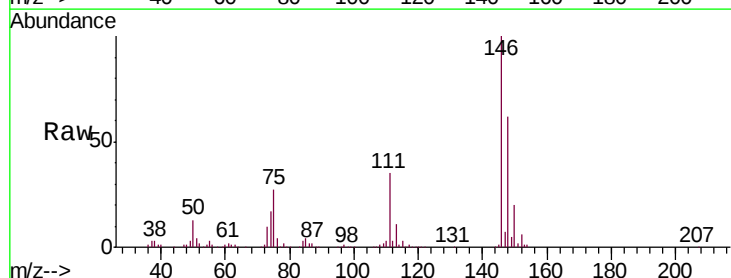
Tgt Ion:146 Resp: 270871

Ion Ratio Lower Upper

146 100

111 35.3 25.5 47.3

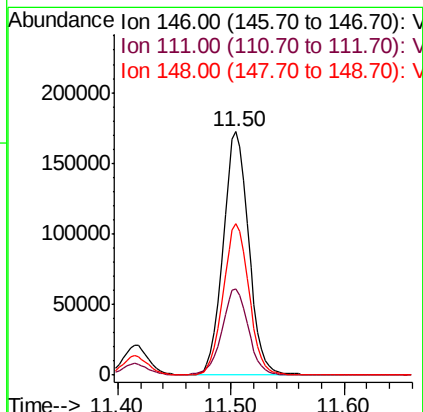
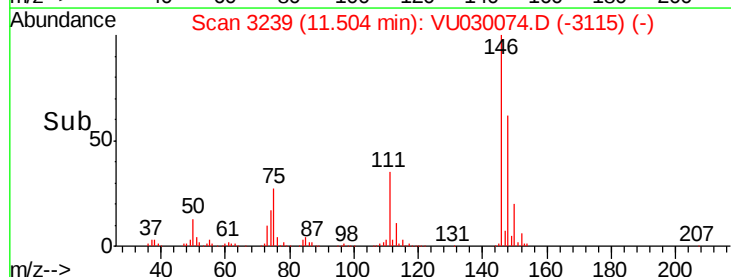
148 62.0 45.0 83.6

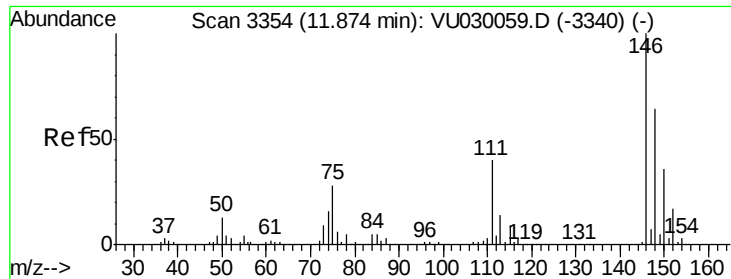


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 202.571 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

Instrument :

MSVOA_U

ClientSampled :

C0BQ5

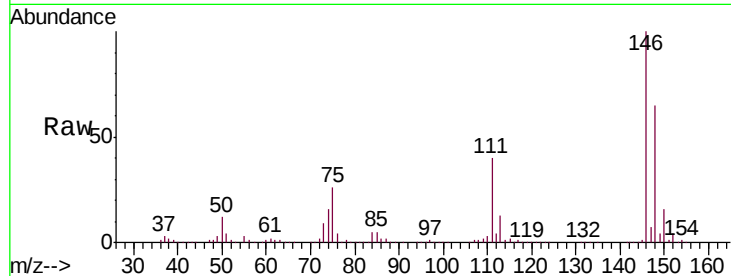
Tgt Ion:146 Resp: 1433871

Ion Ratio Lower Upper

146 100

111 39.9 30.9 46.3

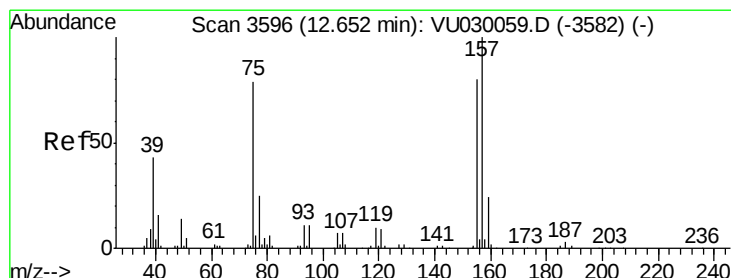
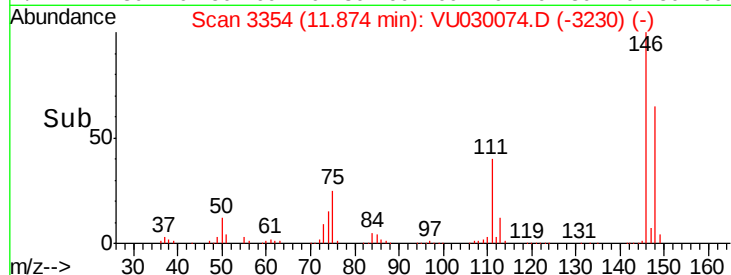
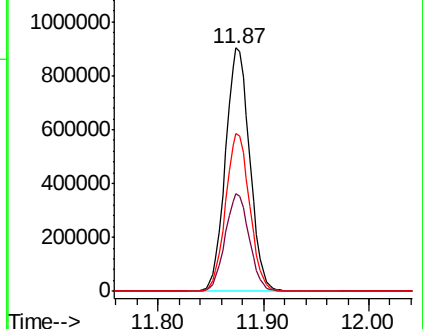
148 65.1 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.353 ug/L

RT: 12.85 min Scan# 3659

Delta R.T. 0.20 min

Lab File: VU030074.D

Acq: 14 Mar 2019 15:10

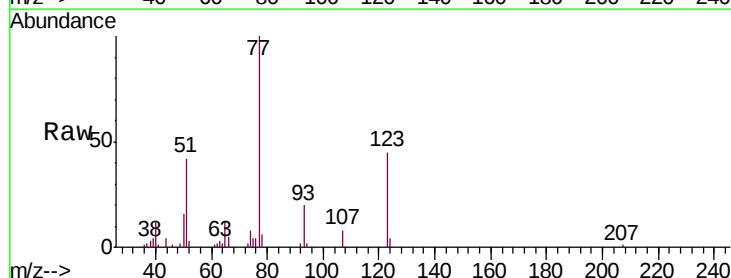
Tgt Ion: 75 Resp: 1556

Ion Ratio Lower Upper

75 100

155 0.0 80.9 121.3#

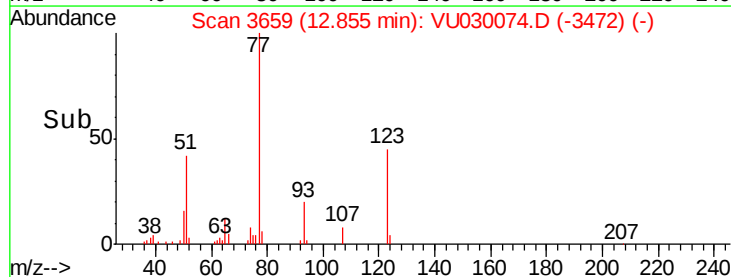
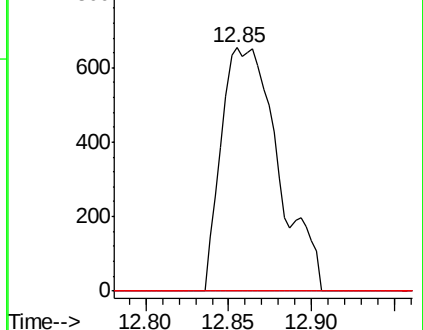
157 0.0 104.6 156.8#

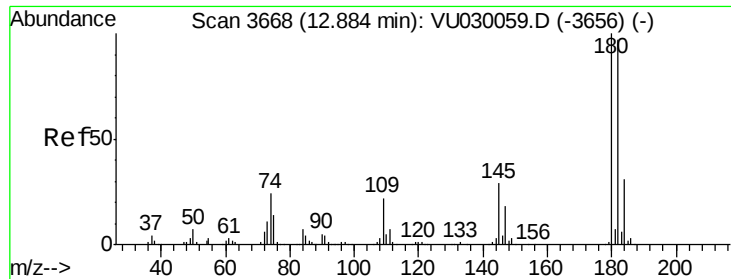


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

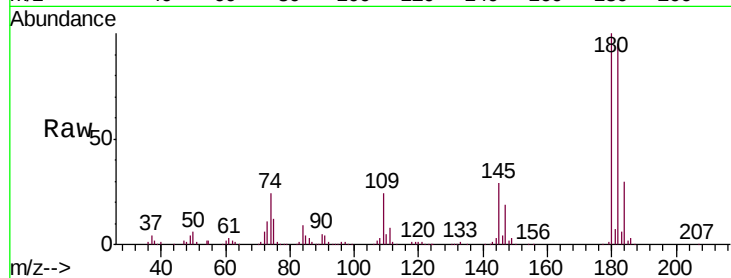




#67
 1,3,5-Trichlorobenzene
 Concen: 54.513 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.61 min
 Lab File: VU030074.D
 Acq: 14 Mar 2019 15:10

Instrument :
 MSVOA_U
 ClientSampled :
 C0BQ5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.3	114.5
184	30.8	24.7	37.1
145	28.8	22.3	33.5



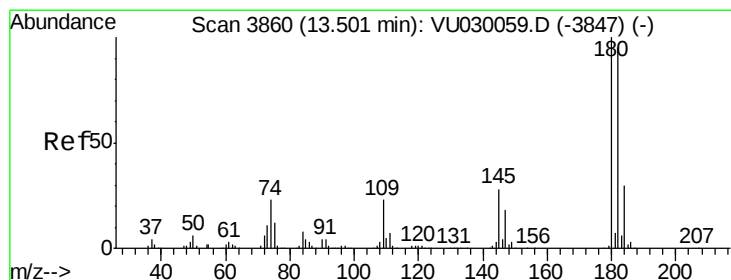
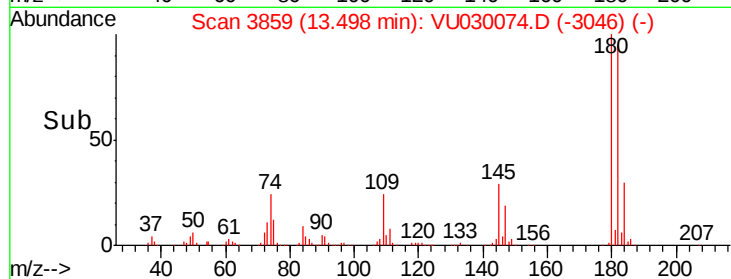
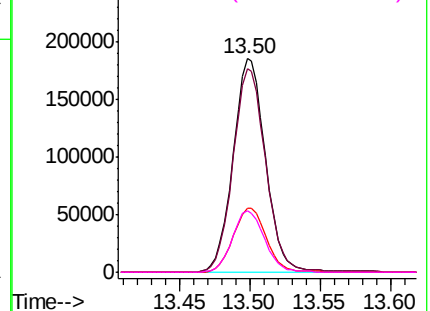
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

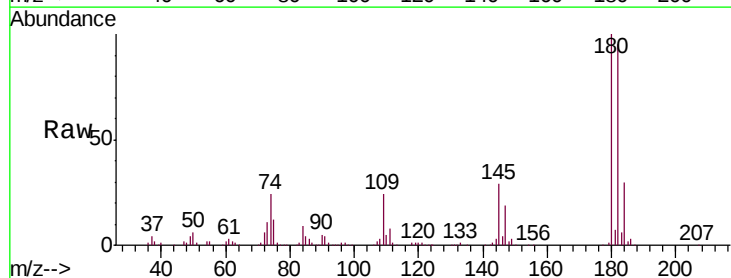
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 59.595 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030074.D
 Acq: 14 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	28.8	23.0	34.4

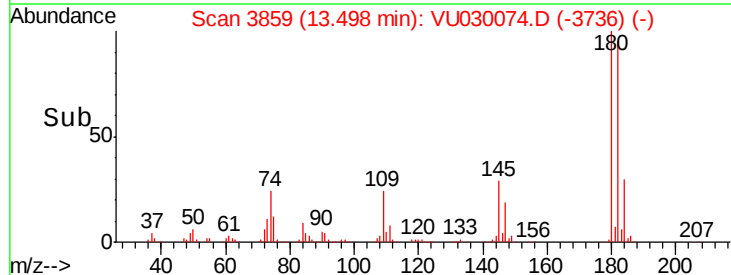
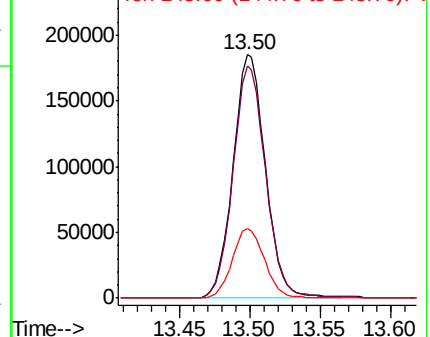


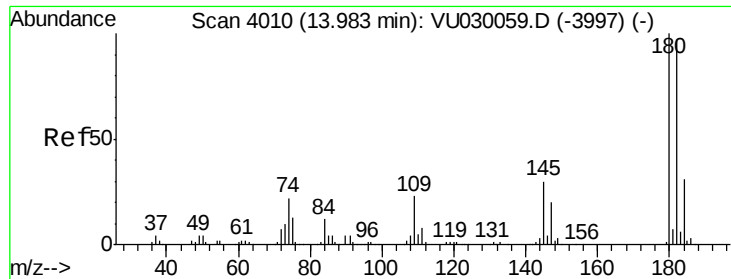
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 38.850 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030074.D
 Acq: 14 Mar 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BQ5

Tgt Ion:	180	Resp:	201502
Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.9	113.9
145	30.5	24.0	36.0

